

IN THE CLAIMS

1. **(Currently Amended)** A system for at least one of ~~reducing the speed~~ and/or limiting the motion of a rotor of a propeller motor of a propulsion unit and restraining the angular position of a rotor of a propeller motor of a propulsion unit, said the system comprising:

at least one propulsion unit comprising:

a propeller; and

a propeller motor comprising a magnetization device and stator windings,
an electrical power network;

a frequency converter connected to an the electrical power network; and

a switch arrangement disconnecting the propeller motor from the electrical power network and for short-circuiting the stator windings of the propeller motor.

2. **(Previously Presented)** The system according to claim 1, wherein the switch arrangement is configured to disconnect the propeller motor from the electrical power network, before short-circuiting the stator windings of the propeller motor.

3. **(Previously Presented)** The system according to claim 1, wherein the switch arrangement is configured to disconnect the propeller motor from the electrical power network, before short-circuiting the stator windings of the propeller motor within the frequency converter.

4. (Previously Presented) The system according to claim 1, wherein the switch arrangement for disconnecting the propeller motor from the electrical power network and for short-circuiting the stator windings of the propeller motor comprises at least one semiconductor.

5. (Previously Presented) The system, according to claim 1, wherein the switch arrangement is configured to disconnect the propeller motor from the electrical power network, to short-circuit the stator windings of the propeller motor, and to ground the stator windings of the propeller motor.

6. (Previously Presented) The system according to claim 1, wherein a control section of the frequency converter controls the switch arrangement.

7. (Previously Presented) The system according to claim 1, wherein the propeller motor is a synchronous motor.

8. (Canceled)

9. (Currently Amended) A system for at least one of reducing the speed and limiting the motion of a motor of a propulsion unit, the system comprising:

at least one propulsion unit comprising:

a propeller; and

a turning arrangement including at least one motor unit for turning the propulsion unit, the at least one motor unit including a magnetization device and stator windings;

an electrical power network;

a frequency converter connected to the electrical power network; and

a switch arrangement for disconnecting the at least one motor unit of the turning arrangement for turning the propulsion unit from the electrical power network and for short-circuiting the stator windings of the at least one motor unit of the turning arrangement for turning the propulsion unit.

10. (Previously Presented) The system according to claim 9, wherein the switch arrangement is configured to disconnect the at least one motor unit from the electrical power network, before short-circuiting the stator windings of the at least one motor unit.

11. (Previously Presented) The system according to claim 9, wherein the switch arrangement is configured to disconnect the at least one motor unit from the electrical power network, before short-circuiting the stator windings of the at least one motor unit within the frequency converter.

12. (Previously Presented) The system according to claim 9, wherein the switch arrangement for disconnecting the at least one motor unit from the electrical

power network and for short-circuiting the stator windings of the at least one motor unit comprises at least one semiconductor.

13. **(Previously Presented)** The system, according to claim 9, wherein the switch arrangement is configured to disconnect the at least one motor unit from the electrical power network, to short circuit the stator windings of the at least one motor unit, and to ground the stator windings of the at least one motor unit.

14. **(Previously Presented)** The system according to claim 9, wherein a control section of the frequency converter controls the switch arrangement.

15. **(Previously Presented)** The system according to claim 9, wherein the at least one motor unit is a synchronous motor.

16. **(Canceled)**

17. **(Currently Amended)** A method for at least one of ~~reducing the speed and~~ limiting the motion of a rotor of a propeller motor of a propulsion unit and restraining the angular position of a rotor of a propeller motor of a propulsion unit in a system having at least one propulsion unit, the at least one propulsion unit including a propeller and a propeller motor including a magnetization device and stator windings, an electrical power network, a frequency converter connected to the electrical power network, and a switch arrangement, the method comprising:

detecting a need for braking the propeller motor;
disconnecting the propeller motor from the electrical power network; and
short-circuiting the stator windings of the propeller motor.

18. (Previously Presented) The method according to claim 17, the method further comprising:

ensuring that the propeller motor is disconnected from the electrical power network before short-circuiting the stator windings of the propeller motor.

19. (Canceled)

20. (Currently Amended) A method for at least one of reducing the speed and limiting the motion of a motor of a propulsion unit in a system having at least one propulsion unit: including a propeller, a turning arrangement including at least one motor unit for turning the propulsion unit, the at least one motor unit including a magnetization device and stator windings, an electrical power network, a frequency converter connected to the electrical power network, and a switch arrangement, the method comprising the steps of:

detecting a need for braking the at least one motor unit;
disconnecting the at least one motor unit of the turning arrangement for turning the propulsion unit from the electrical power network; and
short-circuiting the stator windings of the at least one motor unit of the turning arrangement for turning the propulsion unit.

21. (Previously Presented) The method according to claim 20, the method further comprising:

ensuring that the at least one motor unit is disconnected from the electrical power network before short-circuiting the stator windings of the at least one motor unit.

22. (Canceled)

23. (Previously Presented) The system according to claim 1, wherein the switch arrangement is configured to disconnect the propeller motor from the electrical power network, to ensure that the propeller motor is disconnected from the electrical power network, and to short-circuit the stator windings of the propeller motor.

24. (Previously Presented) The system according to claim 9, wherein the switch arrangement is configured to disconnect the at least one motor unit from the electrical power network, to ensure that the at least one motor unit is disconnected from the electrical power network, and to short-circuit the stator windings of the at least one motor unit.

25. (Previously Presented) A system for at least one of reducing the speed and limiting the motion of a motor of a propulsion unit, the system comprising:
at least one propulsion unit comprising:

a propeller, and

a propeller motor comprising a magnetization device and stator windings;
an electrical power network;
a frequency converter connected to the electrical power network;
a switch arrangement for detecting absence of supply power to the propeller motor and for short-circuiting the stator windings of the propeller motor.

26. (Currently Amended) A system for at least one of reducing the speed and limiting the motion of a motor of a propulsion unit, the system comprising:

at least one propulsion unit comprising:
a propeller, and
a turning arrangement including at least one motor unit for turning the propulsion unit, the at least one motor unit including a magnetization device and stator windings;
an electrical power network;
a frequency converter connected to the electrical power network; and
a switch arrangement for detecting absence of supply power to the at least one motor unit of the turning arrangement for turning the propulsion unit from the electrical power network and for short-circuiting the stator windings of the at least one motor unit of the turning arrangement for turning the propulsion unit.

27. (Previously Presented) A method for at least one of reducing the speed and limiting the motion of a motor of a propulsion unit in a system having at least one propulsion unit including a propeller, and a propeller motor comprising a

magnetization device and stator windings, an electrical power network, a frequency converter connected to the electrical power network, and a switch arrangement, the method comprising the steps of:

detecting absence of electrical supply power to the propeller motor; and
short-circuiting the stator windings of the propeller motor.

28. (Currently Amended) A method for at least one of reducing the speed and limiting the motion of a motor of a propulsion unit in a system having at least one propulsion unit including a propeller, and a turning arrangement including at least one motor unit for turning the propulsion unit, the at least one motor unit including a magnetization device and stator windings, an electrical power network, a frequency converter connected to the electrical power network, and a switching arrangement, the method comprising the steps of:

detecting absence of supply power to the at least one motor unit of the turning arrangement for turning the propulsion unit from the electrical power network; and
short-circuiting the stator windings of the at least one motor unit of the turning arrangement for turning the propulsion unit.

29. (Previously Presented) A system according to claim 1, wherein the switch arrangement is configured to ensure that the propeller motor is disconnected from the electrical power network before short-circuiting the stator windings of the propeller motor.

30. **(Previously Presented)** A system according to claim 9, wherein the switch arrangement is configured to ensure that the at least one motor unit is disconnected from the electrical power network before short-circuiting the stator windings of the at least one motor unit.